

*Scientific Session on:*  
**INTEGRATION OF GENDER MEDICINE  
IN THE CLINICAL PRACTICE**  
Saturday, November 7<sup>th</sup>, 2009  
Berlin – Germany

**GENDER SPECIFIC SAFETY  
OF PHARMACOTHERAPY**

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Numerous gender and sex differences in the incidence, prognosis, development, treatment and mortality have been described in the last years leading to an increasing awareness for the fact that they have been ignored for so many years.

Regarding pharmacological treatments, differences have been found in pharmacokinetic and pharmacodynamic, and this occurs even if till the last few women are scarcely enrolled in clinical studies. The increasing in our knowledge of the gender difference has not yet been translated into gender specific guidelines and recommendations, and to provide curricula with a gender approach. Thus it is not surprising that the adverse reactions are more common in women. Thus it is necessary to perform preclinical studies in a gender specific way such as selecting the most appropriate model of diseases considering the pharmacokinetic differences, the variation induced by the complex women life. Moreover, clinical studies should enrol women in all phases and should perform gender analysis, and gender specific data bank should be built and published. The application of the previous strategy will reduce the incidence of sex specific side effects and adverse drug reactions.



## Curriculum Vitae Flavia Franconi, MD

**Current address:** Department of Pharmacological Sciences, University of Sassari, Via Muroni, 23 a Sassari 07100 – E-mail: franconi@uniss.it

**Actual position:**

Full Professor of Pharmacology, University of Sassari, Italy  
Coordinator of PH.D in Gender Pharmacology at Sassari University

**National Advisory board:** National Toxicological Committee, Research and Drugs Gender Guidelines, Menopausa Guidelines, Women Health Committee of Health Minister, Committee "Valutazione Piani di Settore" of Italian Agency of Drug.

**Regional Advisory board:** Sardinian Drug Committee

**Coordinator** of Gender Group of Italian Pharmacological Society

**Advisory board of:**

Centre for Biotechnology Development and Biodiversity Research, University of Sassari, Consorzio Interuniversitario Biostrutture e Biosistemi (INBB),

**Vice President:**

Società Italiana per la Salute e la Medicina di Genere (Italian Society of Gender Health and Medicine).

**Referee:**

Alcohol and Alcoholism, American Journal of Clinical Nutrition, Archives of Medical Research, British Journal Clinical Nutrition, Diabetologia, European Journal Nutrition, Food and Chemical Toxicology IUBMB Life, Life Science, Pharmacological Research.

Prof. Franconi has published about 155 papers in international journal. Recently her activity is focused on gender differences in drug response in order to ameliorate therapy for both genders.